

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number  
**WO 2005/083304 A1**

(51) International Patent Classification<sup>7</sup>: **F16H 61/00**

(74) Agent: **PLEVIER, Gabriël, Anton, Johan, Maria**; Van Doorne's Transmissie B.V., Postbus 500, NL-5000 AM Tilburg (NL).

(21) International Application Number:  
PCT/NL2004/000821

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
26 November 2004 (26.11.2004)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:  
1024918 1 December 2003 (01.12.2003) NL

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **ROBERT BOSCH GMBH** [DE/DE]; Postfach 30 02 20, 70442 Stuttgart (DE).

(72) Inventors; and

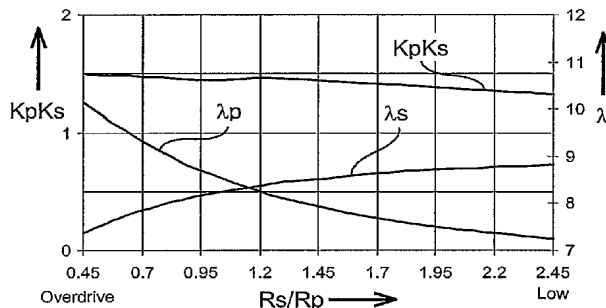
(75) Inventors/Applicants (*for US only*): **VAN DER LEEST, Adrianus, Johannes, Wilhelmus** [NL/NL]; Vezelstraat 12, NL-5388 RX Nistelrode (NL). **BRANDSMA, Arjen** [NL/NL]; Lombardijenlaan 225, NL-5045 WN Tilburg (NL). **VAN SPIJK, Johannes, Gerardus, Ludovicus, Maria** [NL/NL]; Grotestraat 253, NL-5151 BM Drunen (NL).

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: CONTINUOUSLY VARIABLE TRANSMISSION



(57) Abstract: Continuously variable transmission (1) for motor vehicles, provided with a primary pulley (2) and a secondary pulley (3), around which there is arranged a drive belt (10), which is clamped between two conical pulley disks of the primary pulley (2) with a primary clamping force and between two conical pulley disks of the secondary pulley (3) with a secondary clamping force, wherein, as a result of a contact angle of at least one of the pulley disks of the respective pulleys (2; 3) with the drive belt (10) being adapted, and at least in the largest transmission ratio of the transmission (1), i.e. Low, a clamping force ratio between the primary clamping force and the secondary clamping force has a value in the range between 1 and the clamping force ratio in the smallest transmission ratio, i.e. Overdrive.

WO 2005/083304 A1